2018 FDOT Transportation Symposium

Monday - June 18th, 2018

Time	Orange D	Orange B/C	Orange F/G	Orlando IV	Orlando V	Orlando VI	Orange A	Orange E
10:50 AM	Updates on Recent Innovative Designs — Christina Freeman	High Polymer Binder and other Asphalt Considerations for Design — Howard Moseley and Rhonda Taylor	Roadway and MOT design considerations and common problem areas for tolled facilities — James Beverly	FDOT CADD Office Directions — Vern Danforth	Integrated Mobility Solutions — Edward Regan	Traffic Signal Systems (UF Reseach) — Nithin Agarwal and Raj Ponnaluri	CFRP & HSSS Prestressed Concrete Design — Vickie Young and Ge Wan	New advances in static compact imaging sensors for 3D modeling of indoor and outdoor assets — Bret Brunow
	Lunch 11:40 - 1:00 PM							
1:00 PM	Connected Vehicle — Jeremy Dilmore	Lessons Learned - Bridge Concepts (Part 1 of 3) — Tom Andres	ADA & Public ROWs — Dean Perkins	FDOT CADD Office Supported Platforms and FAQs — Matt Sexton	Florida Strategic Highway Safety Plan — Joe Santos	General Plan Notes — Sean Masters	21st and 22nd Street Improvement Project - Ybor City's FDOT Connection — Mary Lou Godfrey	Unmanned Aircraft Systems in Emergency Management — David Merrick
2:00 PM	Lesson Learned on Implementing Florida's First and Nation's Largest Diverging Diamond Interchange — Nik Patel and Kevin Ingle	Lessons Learned - Bridge Concepts (Part 2 of 3) — Tom Andres	Value Engineering — Kurt Lieblong	Evaluating Terrain Models,and SURVRD for Designers — John Hazlip	Temporary Barrier — Derwood Sheppard and Ed Cashman	A Tale of 5 Cities (and one County): Public Outreach Successes on ALT US 19 — Lara Bouck and Brian Shroyer	Closer to Reality 3D Visualization in Bridge Design and Construction — Jerry Pfuntner	Bringing Structure to Your Documents with GIS & EDMS — Darryl Crowder & Daniel Teaf
	Networking Break 2:50 - 3:05 PM							
3:05 PM	CSI, Lane Elimination and Great Walkability w Case Studies — Rick Hall and Victor Dover	Lessons Learned - Bridge Concepts (Part 3 of 3) — Tom Andres	Audible and Vibratory Treatments — Gevin McDaniel and Ed Cashman	Existing Feature Modeling — Chris Thorp	Project Traffic Forecasting — Gina Bonyani	Be Selective … Save our living assets — Christopher Keller, Jeff Caster, and Bobby Bull	FDOT ArcGIS Enterprise Suite: Portal and Azure and Apps, Oh My! — Daniel Teaf	Using high resolution video to create 3D models of infrastructure — Maurice Elliot
4:05 PM	Florida Greenbook — Mary Anne Koos	Pipe Strategies for Design and Rehabilitation — Carl Spirio, Rick Jenkins, and Jason Russell	Consultant Evaluation — Siddhartha Kamath	Cross Sections & More in FDOTSS4 — Chris Thorp and Todd Holt	Application of the Highway Safety Manual in Florida — Joe Santos	TEM Signal Updates - Leading Pedestrian Intervals and Left Turn Flashing Yellow Arrows — Alan El-Urfali	Analysis and Communication of Department data through Datalytics — Ed Hutchinson	GIS @ FDOT and FDOT Open Data — William Isaacs

Tuesday - June 19th, 2018

Time	Orange D	Orange B/C	Orange F/G	Orlando IV	Orlando V	Orlando VI	Orange A	Orange E
8:00 AM	Errors and Omissions by Engineers on Department Contracts — Siddhartha Kamath	Overview of Efficient Transportation Decision Making (ETDM) — Pete McGilvray	Creep and Shrinkage Effects of Post-Tensioned Prestressed Concrete Bridges — Teddy S. Theryo	Earthwork Calculation Methods — John-Mark Palacios	Integrated Corridor Management — Dan Lukasik and Roberto Perez	Integrative Watershed Management Planning — Carl Spirio and Katey Earp	Single Slope Barrier — Richard Stepp	Using Data Fusion rather than Confusion to map transportation assets in 3D — Mike Maluda
9:00 AM	Innovative Intersections — George Merritt	PD&E for beginners — Jason Watts, Thu-Huong Clark, Brittany Bianco, and Victor Muchuruza	Project Management for 3D Engineered Models including Quality Control Checklist — Vern Danforth and Alfredo Cely	Roadway Island Modeling with FDOTC3D — Mike Racca	FDOT Lane Elimination Requirements — Maria Overton	Express Lanes Manual — Jennifer Fortunas	Electronic Review Comment (ERC) System — Kurt Lieblong	Cross-functional Integration into Transportation Planning — Jennifer Carver, Heather Garcia, and Brian ten Siethoff
	Networking Break 9:50 - 10:05 AM							
10:05 AM	6 New FHWA Safety Proven Countermeasures — Mark Doctor	Scope and Staff Hours Overview — Bobby Bull	Spec Writing 101 — Dan Hurtado	FDOTC3D Code Set Styles — Mike Racca	NEPA Assignment – First Year in the Driver's Seat — Jason Watts and Pete McGilvray	Flexible Filler Design and Detailing Requirement — Jerry Pfuntner	Rail Coordination (I want to work on the Railroad) Part A — Laura Regalado, Catherine Bradley, and Jim Ganey	How to be Innovative with Utility Locating Technologies — Carlo Pilia
11:05 AM	FHWA Performance-Based Practical Design — George Merritt	SWAT Process and Concurrent PD&E Design Phases — Victor Muchuruza, Marjorie Kirby, and Bobby Bull	Safety Toolbox for Locals — Joe Santos and Lorraine Moyle	Updated FDM/GB Design Criteria for FDOTSS4 and FDOTC3D2018 — John-Mark Palacios	ODOT Increased Emphasis on Aesthetics in Design Construction Process — Casey Shell	SJRWMD Stormwater Harvesting Web Tool — Cammie Dewey and Gretchen Kelley	Rail Coordination (I want to work on the Railroad) Part B — Laura Regalado, Catherine Bradley, and Jim Ganey	Data Governance and Management of Roadway Characteristics Inventory Data — Joel Worrell
	Lunch 11:55 - 1:15 PM							
1:15 PM	FDOT Design Manual — Mary Jane Hayden and Paul Hiers	Drainage Round Table - Hurricane Irma — Carl Spirio, Katey Earp, Brent Setchell, Mo Majboor, and Mario Dominguez	A New Direction For Florida Scenic Highways — Jeff Caster and Ashley Binder	OpenBridge Modeling and Design - Bentley — Raul Amaya	Curved U-beam Designs — Sam Fallaha	Statewide Environmental Project Tracker (SWEPT) — Pete McGilvray	Risk Management Zone — Rob Quigley, Tim Brock, Kurt Lieblong, Frank Chupka and Greg Davis	Producing UAS-Derived Products for Transportation Projects: Challenges and Opportunities — Dr. Qassim Abdullah
2:15 PM	Accommodating Pedestrian/Bicyclists at Intersections and Mid-blocks — Alan El-Urfali	Plans Reviewer Training — Rob Quigley	Context Classification — DeWayne Carver	Bridge Modeling and Design - Autodesk — Edmundo Herrera	Tracking PD&E — Katasha Cornwell, Thu-Huong Clark, Marjorie Kirby, and Brittany Bianco	Structures Research Update — Christina Freeman	Proprietary Products and Public Interest Findings Justifications — Karen Byram and Lorraine Moyle	Evolution of ROADS, an FDOT Strategic Initiative — Ana Nowak and Jared Causseaux
	Networking Break 3:05 - 3:20 PM							
3:20 PM	Innovative Roundabouts — Paul Hiers	AASHTO LRFD BDS revised criteria for bolted field splices — Dennis Golabek	Introduction to the New 2018 Utility Procedures Manual (UPM) — Thomas Bane	Updates to FDOTC3D Automated Quantities — Randy Roberts	Cultural Resources Coordination — Jason Watts, Roy Jackson, and Matthew Marino	Funding Opportunities to Address Transportation Safety Needs: Highway Safety Improvement Program and the Highway Safety Plan — Joe Santos	Evaluation of Project Processes in Relation to TSM&O — Thobias Sando, Priyanka Alluri, Larry Hagen, and Raj Ponnaluri	Accuracy analysis of UAV Multi-ray photogrammetric processing methods for Design — Mike Zoltek
4:20 PM	More than Just a Road - 21st Century Infrastructure Investment + Complete Streets = Sense of Place — Shawn Kalbli and Charlie Johnson	Risk Assessment/Analysis Tools for Project Managers — Greg Davis, Kurt Lieblong, Tim Brock, Rob Quigley and Frank Chupka	Structural Advanced Materials for Florida's Transportation Infrastructure — Steve Nolan and Felix Padilla	Updates to FDOT C3D Signs Tool — Randy Roberts	FDM Updates for ITS — Russell Allen	Natural Resources — Katasha Cornwell, Thu-Huong Clark, Brittany Bianco, and Brent Setchell	History of and Design for Bio-sorption Activated Media — Marty Wanielista	UBR & Navteq Data — Rebecca Barber and Jared Causseaux

Wednesday - June 20th, 2018

Time	Orange D	Orange B/C	Orange F/G	Orlando IV	Orlando V	Orlando VI	Orange A	Orange E
8:00 AM	Highway Safety Manual: New Tools and Research — Jeremy Fletcher	Local Road Safety Plans — Mark Doctor	Introduction to Basis of Estimates — Melissa Hollis	Automated Quantities updates in FDOTSS4 — Kandi Daffin	Optimization Innovations in Structural Steel Design — Jerry Pfuntner	Truck Parking Availability System — Marie Tucker and Jeff Frost	Spatial Data Analytics for Tomorrow's Transportation Needs — Paul O'Rourke	ESRI Preconfigured Applications with current and future FDOT Implementations — William Isaacs
9:00 AM	Roundabouts on SHS — Paul Hiers	Drainage Round Table - Innovative Stormwater — Carl Spirio, Katey Earp, James Poole, Virginia Creighton, Victor Muchuruza, and Scott Wesson	Pay Item Updates — Melissa Hollis	Translating between Civil3D and PowerGEOPAK on FDOT projects — Vern Danforth and Oscar M. Castaneda	Hard Shoulder Running - Lessons Learned during Design, Construction, and Implementation — Brian Toombs	Level of Analysis for skewed steel I-girders — Dennis Golabek	Interchange Access Requests (IAR) — Maria Overton and Amy Causseaux	Take a closer look at your data through Operational Dashboards — Chelsea Stelter
	Networking Break 9:50 - 10:05 AM							
10:05 AM	Connected and Automated Vehicles — Raj Ponnaluri	Bicycle Facilities on the SHS — Mary O'Brien	Public Engagement in Design — Rusty Ennemoser and Michael Garau	3D Engineered Model Project Reviews: Leveraging Virtual Reality, Augment Reality and Mixed Reality for Production — Vern Danforth and Scott Aldridge	FRP - Beyond Halls River Bridge — Steve Nolan	FHWA Major Project Requirements — Diane Flowers and Greg Davis	Crash Data Systems: Finding the Best Source — Joe Santos	Diving Into the Details: Mapping Construction on Miami's Dolphin Expressway — John Gilreath
11:05 AM	FDOT ICE Manual - Forms — Alan El-Urfali	Scheduling Local Projects — Lorraine Moyle and Lisa Buscher	Development of Coastal Road Protection Utilizing an Artificial Neural Network for Storm Damage Assessment — Josh Carter and Casey Connor	3D Deliverables for Automated Machine Guidance (AMG) — Todd Holt	Multi-Resolution Modeling — Like Liu	Destructive Suspender Rope Testing of the Hart Bridge — Jeff Bailey and Trevor Johnson	Transit E-hailing Services — Randall Farwell	Modern Tools for Modern Web Apps — Ben McGregor
11:55 AM / 1:00 PM	Turn in COMPLETED attendance forms to receive continuing education credit							

Professional Engineers and Landscape Architects will receive continuing education credit for all courses attended. PSMs and AICPs will receive credit for the sessions approved by their respective Boards.

BPSM Approved Courses | AICP CM Approved Courses